

FIGURE 1

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002130" 08E74360

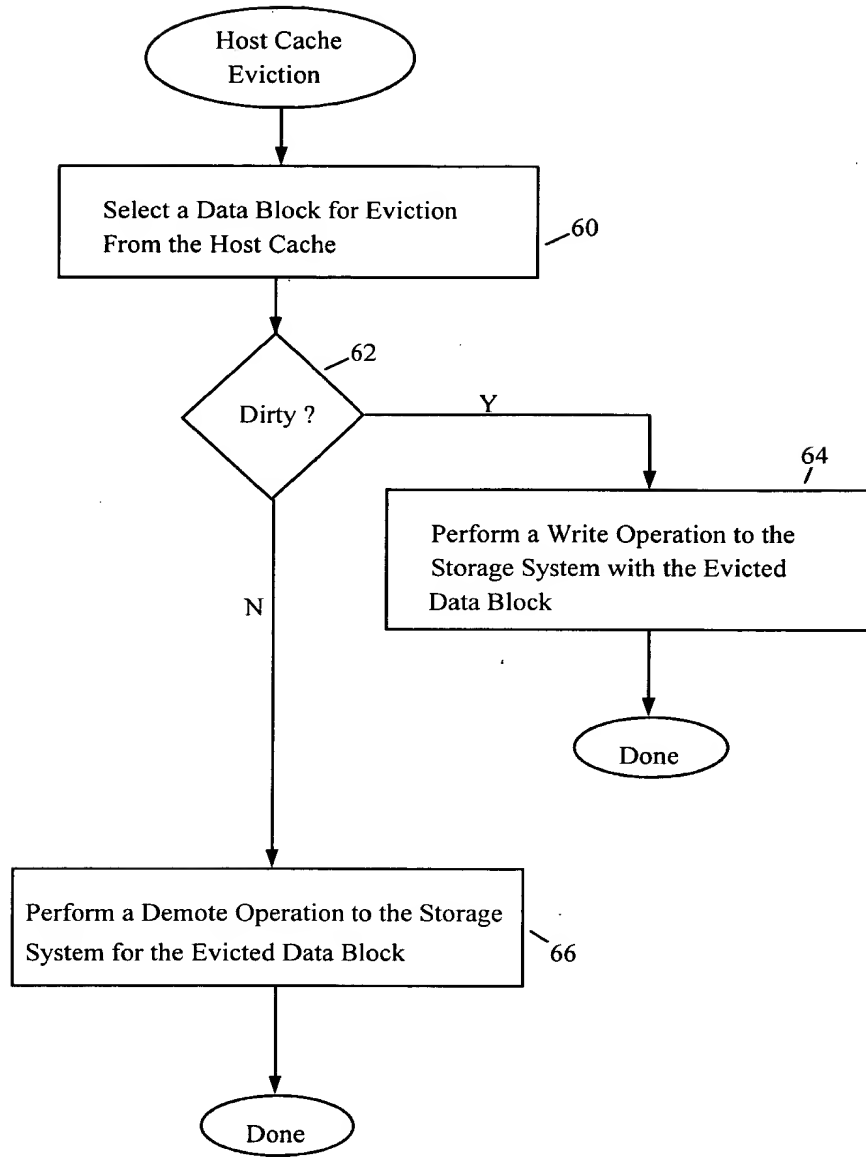


FIGURE 2

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```

graph TD
    Start([Demote Operation]) --> Decision70{Storage System Cache Avail.  
?}
    Decision70 -- Y --> Process72[Write the Demoted Data Block Into a  
Free Entry in the Storage System Cache]
    Process72 --> Done1([Done])
    Decision70 -- N --> Process74[Attempt to Evict a Data Block  
From the Storage System Cache]
    Process74 --> Decision76{Success ?}
    Decision76 -- Y --> Process80[Write the Demoted Data Block Into a  
Free Entry in the Storage System Cache]
    Process80 --> Done2([Done])
    Decision76 -- N --> Process78[Discard the Demoted Data Block]
    Process78 --> Done3([Done])

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